



SERVICE BULLETIN

ENGINE - DIFFUSER AND COMBUSTION GROUP - INTRODUCE A NEW NO.4 BEARING COMPARTMENT GASKET - CATEGORY CODE 6 - MOD.ENG-72-0065

1. Planning Information

A. Effectivity

- (1) Aircraft: Airbus A320
- (2) Engine: V2500-A1 Engine before Serial No.V0122.

B. Reason

(1) Condition

When you assemble the No.4 Bearing Support Assembly to the No.4 bearing Seal Assembly you cannot see the gasket which seals at the interface of the parts. As a result the gasket can extend out of its groove and become pinched.

(2) Background

The outer diameter flange gasket in the No.4 Bearing Support Assembly was not correctly aligned on Engine Serial No.V0049. Approximately ten percent of the gasket circumference was wedged between the Rear No.4 Bearing Seal Assembly the No.4 Bearing Support Assembly. This condition could permit oil to leak out of the No.4 Bearing Compartment.

(3) Objective

To prevent a gasket pinch at assembly.

(4) Substantiation

Satisfactory service experience with a similar configuration

(5) Effect of Bulletin on workshop procedures:

Removal/Installation	Not affected
Disassembly/Assembly	Not affected
Cleaning	Not affected
Inspection/Check	Not affected
Repair	Not affected
Testing	Not affected

(6) Supplemental Information:

None

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**C. Description**

- (1) To prevent a gasket pinch at assembly, the new gasket is piloted on the inner diameter. Refer to Figure 1.

D. Approval

The Part Number changes and/or part modification described in Sections 2 and 3 of this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the Engine Model listed.

E. Compliance

Category Code 6.

Accomplish when the subassembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

F. Manpower

Estimated Manhours to incorporate the full intent of this Bulletin:

Venue	Estimated Manhours
(1) In service	Not applicable
(2) At overhaul	Not applicable

G. Material Price and Availability

- (1) Modification Kit not required.
- (2) See "Material Information" section for prices and availability of future spares.

H. Tooling – Price and Availability

Special tools are not required.

I. Weight and Balance

- | | | | | |
|-------------------|----|----|----|-----------------------------------------------------------------|
| (1) Weight Change | .. | .. | .. | None |
| (2) Moment arm | .. | .. | .. | No effect |
| (3) Datum | .. | .. | .. | Engine front mount centerline (Powerplant station P.P.S. (00)). |

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J. Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

K. References

(1) Internal Reference No.

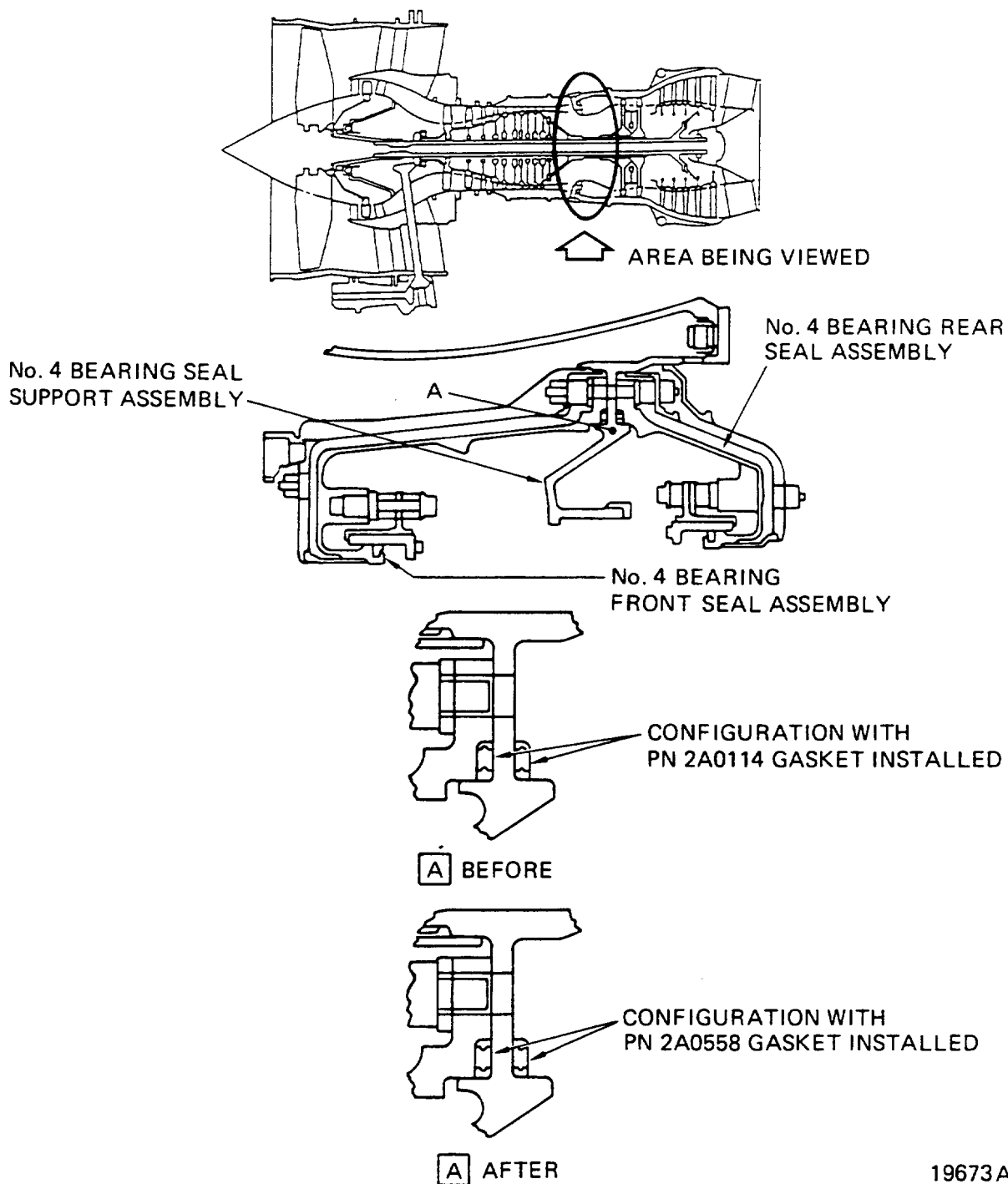
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(2) Other References

V2500 Engine Manual

L. Other Publication Affected

(1) The V2500 Engine Illustrated Parts Catalog, Chapter/Section 72-42-30, Figure 1.



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Before and after views of configuration change that affects the No.4 bearing compartment gasket
Fig.1

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2. Accomplishment Instructions

A. Rework Instructions

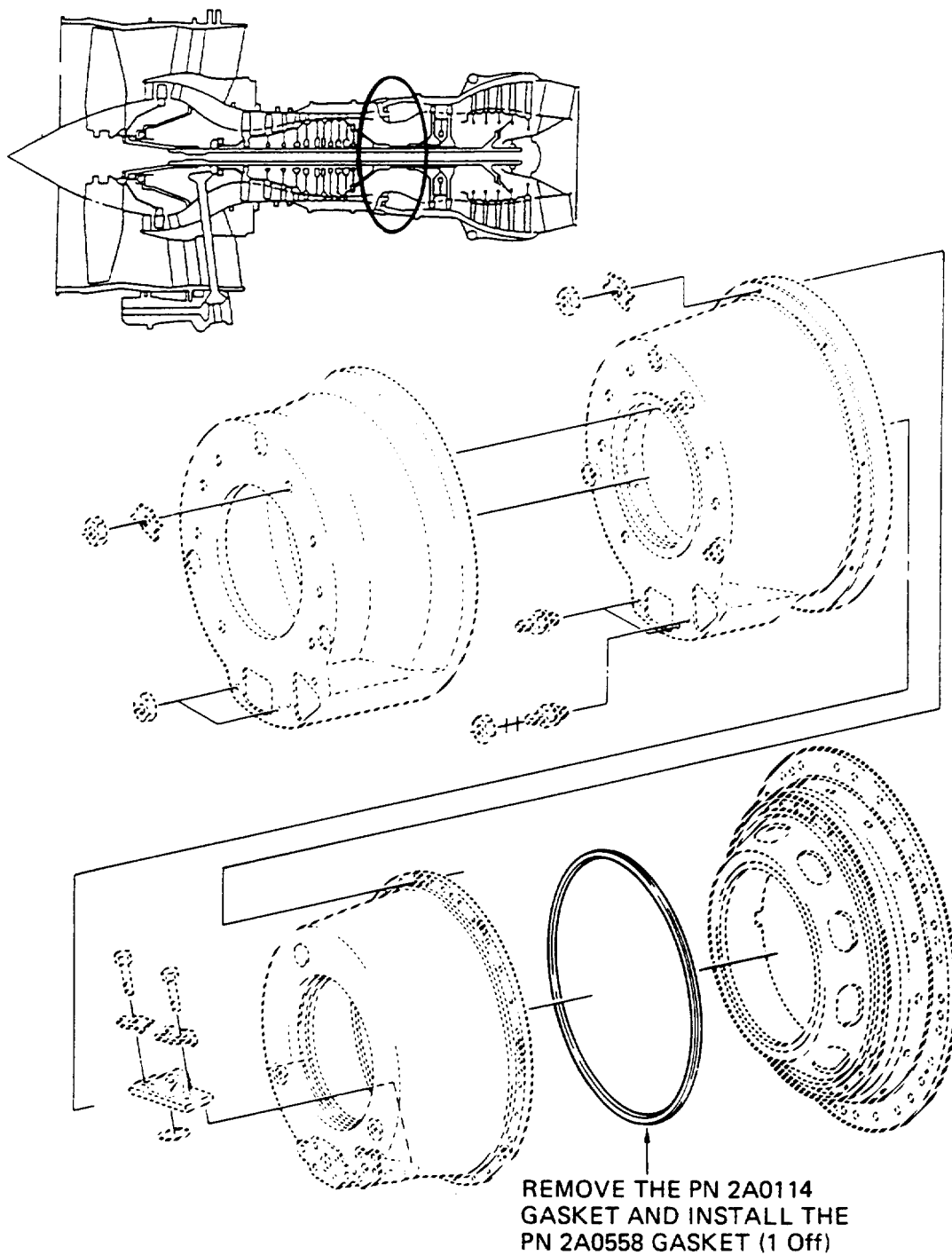
- (1) There are no rework instructions necessary to accomplish this Service Bulletin.

B. Assembly Instructions

- (1) Install the 2A0558 No.4 Bearing Front Compartment Gasket (1 off) by the approved procedure in Reference (1), Chapter/Section 72-42-30, Assembly. Refer to Figure 2.
- (2) Install the 2A0558 No.4 Bearing Rear Compartment Gasket 1 off by the approved procedure in Reference (1), Chapter Section 72-40-00 Assembly-03. Refer to Figure 3.

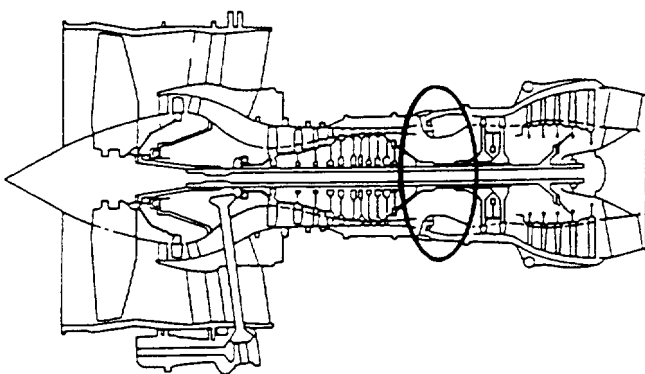
C. Recording Instructions

- (1) A record of accomplishment is necessary.

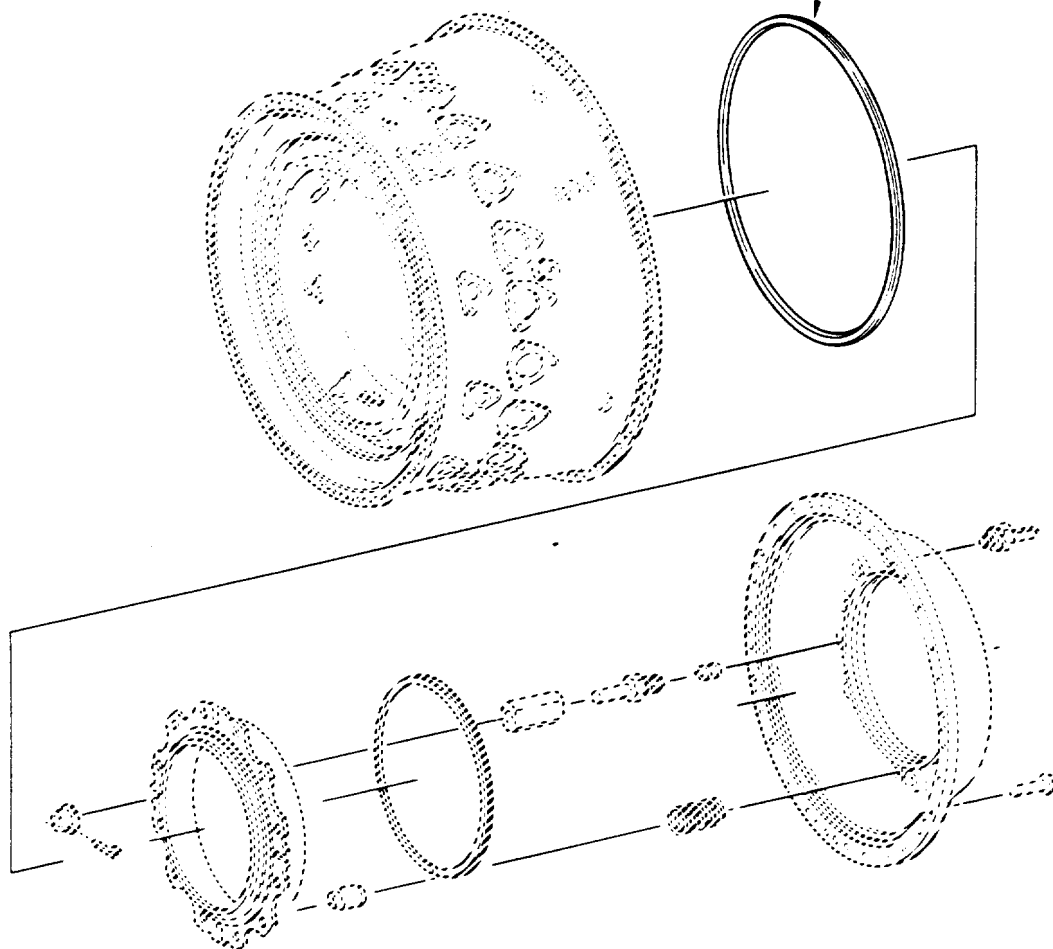


Location of No.4 bearing front compartment gasket
Fig.2

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REMOVE THE PN 2A0114
GASKET AND INSTALL THE
PN 2A0558 GASKET (1 Off)



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Location of No.4 bearing rear compartment gasket
Fig.3

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3. Material Information

New Part No. (ATA No.)	Qty	Est'd Unit Price (\$)	Keyword	Old Part No. (IPC No.)	Instructions Disposition
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Applicability: For each V2500 Engine to incorporate this Bulletin.

A. Kits associated with this Bulletin:

None

B. Parts affected by this Bulletin:

2A0558 (72-42-30)	1	-	Gasket	2A0114 (01-100)	(A)(B)
2A0558 (72-43-20)	1	-	Gasket	2A0114 (01-010)	(A)(B)

C. Instruction/Disposition Code Statements:

- (A) New part is currently available.
- (B) Old part will no longer be available.

NOTE: The estimated 1990 unit prices shown are provided for planning purposes only and do not constitute a firm quotation. Consult the IAE Price Catalog or contact IAE's Spare Parts Sales Department for information concerning firm prices.

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